

IN THE SPECIFICATION

Please amend the specification as follows:

Please amend paragraphs [0018] and [0030] as follows:

[0018] The present invention is intended to allow random numbers of any distribution to be generated, such as through Monte Carlo simulation, in a significantly reduced period of time compared to prior systems and methods. The disclosed system may be used in a lab environment with general purpose computers with coupled displays or may alternatively be implemented in commercial products with special-purpose processors. Moreover, the present invention may be utilized for a variety of applications for which random number generation is or can be used.

[0030] Referring specifically to Figure 5, rain and interference have been typically constant in past analysis, but can now be time-varying. Thus, to determine the total impact of rain and interference, they can be combined in a Monte Carlo fashion. Initially, the parameter values from the link budget are obtained, as generally indicated by reference number 30. Thereafter, lookup tables for rain and interference impact CDFs are built and presented to the user on a display, as generally indicated by reference number 32, based on a variety of factors, as will be appreciated by one of skill in the art.